

ANALYST: Jue Warner

Rec'd on: 2-27-12

ANALYSES PERFORMED:

<u>Site Name</u>	<u>Sample #</u>	<u>Parameter</u>
0.5 ug/L 5975	Annual Verification	to PZ 2-29-12
5 ug/L 5972	Annual Verification	to PZ 3-1-12

DATA REVIEW: (Esat/Lab at beginning of site name to indicate group)

<u>Site Name</u>	<u>Sample #</u>	<u>Parameter</u>
D. mock (D 2083; 2nd look at)	120105	EDD - 0.25 max
D. mock (30f 3)	120105	EDD - 1.5 Hk

PAST DUE ANALYSIS: (beyond TECHNICAL holding time or s. completion date)

<u>Site Name</u>	<u>Sample #</u>	<u>Parameter</u>
D. mock 2083	1202001 (Pre-check for SVOT)	EDD - 0.25 Hk

EMERGENCY SAMPLES: (any ASAP samples)

TECHNICAL ASSISTANCE: (who/what/date/time spent/story)

-Sadia Muneem, md DHMH, 3-1-12, SDWA,
515.3 & 515.4 can we use gaseous
diazomethane? sent question to Steve
Wendelken.

(ov

MEETINGS:

Fish Creek presentation
C Kelly Krock
2-28-12

SPECIAL ASSIGNMENTS: (e.g. Robotics)

ISSUES FOR CRL STAFF MEETING:

SVOA TSA meeting
3-1-12

All Hands 3-1-12

HELPED SOMEONE: (Lab Branch)

Hard drive crashed
3-1-12

EQUIPMENT PROBLEMS:

Agilent: 800-227-9770
email: cag_sales-na@agilent.com

ACTIVITIES PLANNED FOR THE FOLLOWING WEEK:

(Note if holding times maybe missed or if an extension is required)

Submitted Katy's application
2-27-12

Tried heated purge for
propylene glycol - it didn't
work.
2-27-12

Ordered Entech parts 3-1-12
How to defragment the PC:

- My computer
- Right click on C drive
- Properties
- Tools
- Defrag - Analyze - Defragment

ANALYST: Joe Warner

Week of: 2-20-12

ANALYSES PERFORMED:

Site Name

Sample #

Parameter

Dimock

1202004

VOAs

report to
Hoang

2-22-12

DATA REVIEW: (Start/Lab at beginning of site name to indicate group)

Site Name

Sample #

Parameter

- Res 1

1202006

Final

T 03N 501EC7 0300CA00

0.5HR

- Jackson Ceramics

1201010

Final

T 03N 302DD24 032 CB000

1HR

PAST DUE ANALYSIS: (beyond TECHNICAL holding time or s. completion date)

- Dimock Res Grnd

1202001

EDD

water

2HR

- Dimock

12 01/01/5

EDD

EMERGENCY SAMPLES: (any ASAP samples)

2HR

TECHNICAL ASSISTANCE: (who/what/date/time spent/story)

MEETINGS:

Team 2-21-12

SPECIAL ASSIGNMENTS: (e.g. Robotics)

ISSUES FOR CRL STAFF MEETING:

HELPED SOMEONE: (Lab Branch)

EQUIPMENT PROBLEMS:

ACTIVITIES PLANNED FOR THE FOLLOWING WEEK:

(Note if holding times maybe missed or if an extension is required)

- Indexed emails 2-21-12
- posted LTIG organic minutes 2-22-12

ANALYST:

Sue Warner

Week of:

2-13-12

ANALYSES PERFORMED:

Site Name

Sample #

Parameter

Dimock

1202001

VOAs -

Report to
Hoang

Dimock

1202004

2-13-12

VOAs -
analysis
complete
12-16-11

DATA REVIEW: (Esat/Lab at beginning of site name to indicate group)

Site Name

Sample #

Parameter

WS 186 5081

1201005

Pesticides
1.5 HR

PAST DUE ANALYSIS: (beyond TECHNICAL holding time or s.completion date)

EMERGENCY SAMPLES: (any ASAP samples)

TECHNICAL ASSISTANCE: (who/what/date/time spent/story)

(over)

MEETINGS:

hosted LTIG call 2-14-12

SPECIAL ASSIGNMENTS: (e.g. Robotics)

ISSUES FOR CRL STAFF MEETING:

HELPED SOMEONE: (Lab Branch)

EQUIPMENT PROBLEMS:

Lindsey Pyron, EST, method
RSK-175 - June Black, methane
ethane will send email
800-283-3570

ACTIVITIES PLANNED FOR THE FOLLOWING WEEK:

(Note if holding times maybe missed or if an extension is required)

- Placed Webforms order 2-13-12
Submit enter

- Comments to Joe on method 624
2-13-12

- Provided acrylonitrile data to Tracy/
Shen Yi on 2-13-12.

- Ordered MeOH 2-15-12

(Try to limit each entry to 1 line)

ANALYST:

Sue Warner

Week of:

2-6-12

ANALYSES PERFORMED:

Site Name

Sample #

Parameter

Dimock

1202001

UOAS

DATA REVIEW: (Esat/Lab at beginning of site name to indicate group)

Site Name

Sample #

Parameter

Vienna Tet

1201012

UOAS in air
0.5 HR

T 03N 303DDZ 03ATRA01

PAST DUE ANALYSIS: (beyond TECHNICAL holding time or s. completion date)

EMERGENCY SAMPLES: (any ASAP samples)

TECHNICAL ASSISTANCE: (who/what/date/time spent/story)

(over)

MEETINGS:

SPECIAL ASSIGNMENTS: (e.g. Robotics)

ISSUES FOR CRL STAFF MEETING:

HELPED SOMEONE: (Lab Branch)

EQUIPMENT PROBLEMS:

ACTIVITIES PLANNED FOR THE FOLLOWING WEEK:

(Note if holding times maybe missed or if an extension is required)

Met c Hoang 2-10-12 on air MDLs

ANALYST:

Sue Warner

Week of:

1-30-12

ANALYSES PERFORMED:

Site Name	Sample #	Parameter
PT. WS/86	1201005	VOAs -
Turned in downstairs	2-1-12	to Hoang
		1-31-12
Dimock	1201013	VOAs
		up to
		Hoang
		2-3-12

DATA REVIEW: (Esat/Lab at beginning of site name to indicate group)

Site Name	Sample #	Parameter
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PAST DUE ANALYSIS: (beyond TECHNICAL holding time or s. completion date)

EMERGENCY SAMPLES: (any ASAP samples)

TECHNICAL ASSISTANCE: (who/what/date/time spent/story)

Gregory Young, 2-1-12, email, SDWA,
 30min, 531.2 & 547. Resolution OK for
 531.2. For 547, follow method for
 Ca ClO₂ prep.

(over)

MEETINGS:

SPECIAL ASSIGNMENTS: (e.g. Robotics)

ISSUES FOR CRL STAFF MEETING:

HELPED SOMEONE: (Lab Branch)

EQUIPMENT PROBLEMS:

ACTIVITIES PLANNED FOR THE FOLLOWING WEEK:

(Note if holding times maybe missed or if an extension is required)

ANALYST:

Sue Warner

Week of:

1-23-12

ANALYSES PERFORMED:

Site Name

Sample #

Parameter

- Dimack
 2013 T03N 303D66 A3TA RS00
 W-S186 1201005 VOA
 Turned in PTQC for water 1-25-12

DATA REVIEW: (Esat/Lab at beginning of site name to indicate group)

Site Name

Sample #

Parameter

- ERA PT 203 1112011 SVOAS-
 Review of T015 ESAT PT 1112004 2HR
 UOAS in
 21R
 30min

PAST DUE ANALYSIS: (beyond TECHNICAL holding time or s. completion date)

EMERGENCY SAMPLES: (any ASAP samples)

TECHNICAL ASSISTANCE: (who/what/date/time spent/story)

- Linda Ames, M&D HMA, SDWA, SS22,
 email, 20 min.
 - Joe Slayton, Method 8260 & 624,
 1-25-12, email, 30 min.

(over)

MEETINGS:

Marcellus air call
1-25-12

SPECIAL ASSIGNMENTS: (e.g. Robotics)

ISSUES FOR CRL STAFF MEETING:

HELPED SOMEONE: (Lab Branch)

EQUIPMENT PROBLEMS:

ACTIVITIES PLANNED FOR THE FOLLOWING WEEK:

(Note if holding times maybe missed or if an extension is required)

BORA workgroup: missed 1-26-12
Conf call due to work/road, but
sent email to Troy & Shen-Yi on
Chapter 4 pms. (HCl) Specify amt
R HCl - use 524.2 language Also
added comment on too much acid to
SW-846, email sent 1-25-12

(Try to limit each entry to 2 line)

ANALYST:

Sue Warner

Week of:

1-16-12

ANALYSES PERFORMED:

Site Name

PT Q C

Sample #

1111002

Parameter

VOAs -

unregulated

Report done

1-18-12

DATA REVIEW: (Esat/Lab at beginning of site name to indicate group)

Site Name

Hickory Lane

Sample #

112018

Parameter

VOAs -

1/18

PAST DUE ANALYSIS: (beyond TECHNICAL holding time or s. completion date)

EMERGENCY SAMPLES: (any ASAP samples)

TECHNICAL ASSISTANCE: (who/what/date/time spent/story)

- Ed Messer, 1-18-12, method 5035A,
Encore - hold in field for 48 hrs @ 4°C,
then freeze into vial in lab; allows
4 day HT.

(over)

MEETINGS:

Team 1-17-12
RICT meeting 1-17-12

SPECIAL ASSIGNMENTS: (e.g. Robotics)

VCE/EVE/Stephen
RCA conf call
1-19-12

ISSUES FOR CRL STAFF MEETING:

HELPED SOMEONE: (Lab Branch)

Fracking Seminar
1-19-12

EQUIPMENT PROBLEMS:

RARE project meeting
1-19-12

ACTIVITIES PLANNED FOR THE FOLLOWING WEEK:

(Note if holding times maybe missed or if an extension is required)

(Try to limit each entry to 1 line)

ANALYST:

Sue Warner

Week of:

10-9-12

ANALYSES PERFORMED:

Site Name

Sample #

Parameter

- made new sites 1-10-12
- PT WP203 11/20/11 UOAS
upst to PZ
1-13-12
- Celco Site (NSF) 11/20/12 UOAS
upst to
PZ
1-13-12

DATA REVIEW: (Esar/Lab at beginning of site name to indicate group)

Site Name

Sample #

Parameter

Hidden Lane 11/20/13 EDD-1HR
(2012 T 03N 302DDZC 0.3m AQ100)
↓
303DDZ

PAST DUE ANALYSIS: (beyond TECHNICAL holding time or s. completion date)

EMERGENCY SAMPLES: (any ASAP samples)

TECHNICAL ASSISTANCE: (who/what/date/time spent/story)

(over)

MEETINGS:

TSA meeting & Cindy
1-10-12

SPECIAL ASSIGNMENTS: (e.g. Robotics)

Dimock meeting
1-10-12

ISSUES FOR CRL STAFF MEETING:

Organic Section
meeting
1-11-12

HELPED SOMEONE: (Lab Branch)

EQUIPMENT PROBLEMS:

ACTIVITIES PLANNED FOR THE FOLLOWING WEEK:

(Note if holding times maybe missed or if an extension is required)

Ordered ESAT 10-15 std from
Rustek 1-13-12.

ANALYST:

Sue Warner

Week of:

1-2-12

ANALYSES PERFORMED:

Site Name

Sample #

Parameter

DATA REVIEW: (Esat/Lab at beginning of site name to indicate group)

Site Name

Sample #

Parameter

- Hidden Lane

11/2013

VOAs

- Hidden Lane

11/2014

1 HR

VOAs-1

(2012 TOSN 302DD20 03M00B00)

1 HR

PAST DUE ANALYSIS: (beyond TECHNICAL holding time of a completion date)

- WP 203

11/2011

Pesticides

2.5 Hr

EMERGENCY SAMPLES: (any ASAP samples)

TECHNICAL ASSISTANCE: (who/what/date/time spent/story)

Prinee Kassim, Md DHMH, 1-6-12, 525.2,
 SDWA. Can do toxaphene & PCBs by
 525.2 Run 10/6/1260 IDC & toxaphene tox
 Run single separate stds for the others.

(over)

MEETINGS:

Team 1-3-12
CWA meeting 1-4-12

SPECIAL ASSIGNMENTS: (e.g. Robotics)

Dimock meeting 1-4-12
TSA meeting 1-4-12

ISSUES FOR CRL STAFF MEETING:

HELPED SOMEONE: (Lab Branch)

EQUIPMENT PROBLEMS:

ACTIVITIES PLANNED FOR THE FOLLOWING WEEK:

(Note if holding times maybe missed or if an extension is required)

Ordered stds for Dimock 1-5-12

Sent comments to Mike Wolper
on the Thermo MS quote &
to Ryan Parker on the Entech
bids 1-6-12

ANALYST:

Sue Warner

Week of:

12-19-11

ANALYSES PERFORMED:

Site Name

Sample #

Parameter

- PT QC unreg VOAs - can unreg wt
in 5972
111002 12-20-11
~~PT DUP 203~~ ~~DOH~~

DATA REVIEW: (Esat/Lab at beginning of site name to indicate group)

Site Name

Sample #

Parameter

- North Penn 6 11/2006 Volatile
C2011 TR2B 0350XW9 302DD2C 03W96R03 0.75%
- PT (Adams) 111008 PCB ID
- Sediment for National Wetlands
Candidate Assessment Final

PAST DUE ANALYSIS: (beyond TECHNICAL holding time or s. completion date)

(NSF)

0.5%

- Std. C12

VOAs on air
0.5%

EMERGENCY SAMPLES: (any ASAP samples)

(2011 T-03N 302DD2C 03H6RA00)

TECHNICAL ASSISTANCE: (who/what/date/time spent/story)

(over

MEETINGS:

Team 12-20-11

Meeting on Dimock Sampling
methods. Sent list
of methods to Rich
Rupert 12-22-11

SPECIAL ASSIGNMENTS: (e.g. Robotics)

ISSUES FOR CRL STAFF MEETING:

HELPED SOMEONE: (Lab Branch)

EQUIPMENT PROBLEMS:

ACTIVITIES PLANNED FOR THE FOLLOWING WEEK:

(Note if holding times maybe missed or if an extension)

Wosh 12-21-11

Completed meeting minutes / agenda
12-22-11



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



SW
3520

Final Analytical Report

Site Name..... Dimock Residential Groundwater
Sample Collection Date(s)..... 02/01/12 10:10- 02/03/12 15:20
Contact..... Rich Fetzer
Report Date..... 02/22/12 14:16
Project #..... DAS R33907
Work Order..... 1202001

SO₂ = 7446
9/5/7446
744609-5
VC
Fluorene
acetylene
TS-01-4
86-T3-7
208-96-8

Analyses included in this report:

Alcohols by EPA 8015D
VOCs by CLP Equivalent (trace)

SVOCs by CLP Equivalent

✓
i-But
Eth
2But
71-36-3
64-17-5
78-92-2

Approved for Release

1202001 FINAL PART 2 OF 3

DAS R33907

02 22 12 1417

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OASQA Representative

1201015 2083



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350



Site Name: Dimock Residential Groundwater

Project #: DAS R33907

Report Narrative

The EPA Region 3 Laboratory's Quality System is NELAP accredited. The National Environmental Laboratory Accreditation Program (NELAP) is a voluntary environmental laboratory accreditation association of State and Federal agencies.

General Notes:

This report contains results for Metals and Glycols analyses only. All other parameters identified on the chain-of-custody form are included in separate reports. Lab Sample numbers 1202001-06, -15, -19, -34, -35, -36 and 1202001-47 thru -50 are not included in this report since these samples were designated for Volatile Organic analysis only.

For Work Order 1202001 - This is Report 1 of 3.

All samples were received intact and at proper temperature.

All samples were analyzed using the Total Phosphate method and results for the analysis by the Orthophosphorous method are not included in this report. Since the Orthophosphorous method was being used as a screening method to determine the need to analyze the sample by the Total Phosphate method, results for Total Phosphate are not impacted.

Samples designated for the analysis of Oil & Grease were received in sample containers inconsistent with the type needed for the routine extraction procedure. Therefore, all samples were extracted using the manual extraction technique.

Where applicable, sample results are qualified based on the highest level concentrations of field QC contamination found in the field, equipment, or trip blanks.

Metals Analysis Note:

Uranium, strontium, lithium, tin and titanium were analyzed as an on-demand analysis.

Copper and zinc were detected in field blank (FB08). Lead and Zinc were detected in field blank (FB09). Therefore, as required for this project, sample results were qualified "B" when the values for lead, copper and zinc were less than 10X the value reported for the field blanks.

Glycols by HPLC/MS/MS Note:

Samples were analyzed for diethylene glycol (DiG) (CAS# 111-46-6), triethylene glycol (TriG) (112-27-6), tetraethylene glycol (TeG) (112-60-7), 2-butoxyethanol (2-Bu) (111-76-2) and 2-methoxyethanol (109-86-4) by HPLC/MS/MS (inst id: TQD-LCMSMS) on a Waters Atlantis dC18 3um 2.1 x 150mm column (s/n: 0141301481).

An HPLC/MS/MS method does not currently exist for these analytes. ASTM D 7731-11 and EPA SW-846 Methods 8000C and 8321 were followed for method development and QA/QC limits where applicable. All applicable OASQA On Demand QA/QC protocols were followed.

The aqueous samples were injected without extraction onto the HPLC/MS/MS system.

Refer to notes in the case file for additional information regarding the analysis.

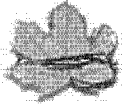
REPORT 1 of 3

1202001 FINAL PART 2 OF 3

DAS R33907

02 22 12 1417

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Branch Meeting - MONDAY 10:30am

Cynthia Caporale to: R3 ESC-LB

Cc: Cynthia Metzger, Jill Bilyeu, Fred Foreman, Mike Mahoney

From: Cynthia Caporale/ESC/R3/USEPA/US

To: R3 ESC-LB

Cc: Cynthia Metzger/ESC/R3/USEPA/US@EPA, Jill Bilyeu/ESC/R3/USEPA/US@EPA, Fred Foreman/ESC/R3/USEPA/US@EPA, Mike Mahoney/ESC/R3/USEPA/US@EPA

~~* see ERIE about sheets~~
~~see Dawn~~
~~send pack list~~
~~(01/20/2012 03:38 PM)~~
~~to Philby~~

All,

We will have a branch meeting Monday morning at 10:30am in E201. Please plan on attending since we will discuss the logistics of samples and reporting for the week

We are still scheduled to receive our first shipment of samples Tuesday.

Here is the latest summary of lab efforts.



Shortcut to Dimock Groundwater Site_Lab Efforts Summary_Jan 20 2012.docx.lnk

Cindy

- 3 week effort
- Friday delivered water to 4 homes
- offering Pa & Cabot split samples
- Don't give out results to anyone but Stevie or Cindy!!
- Communications - Stevie



To: Richard Rupert/R3/USEPA/US, "Graves, Suddha" <Sgraves@TechLawInc.com>,
Cc: Cynthia Caporale/ESC/R3/USEPA/US,
Bcc:
Subject: DAS# R33 ; (Work Order) - Unvalidated (DRAFT) Data Results for the samples received
This message will be sent with a digital signature.

Mr Rupert and Mr Suddha,

Attached are the preliminary parameter results for DAS# R3 _____; SITE NAME (Work Order # _____) collected on _____

ATTACHMENT (PDF)

Please note that these preliminary results are still subject to additional analysis and/or review and data validation.

Please call me if you have any questions.

Thank You,

~~Stewie Wilding~~, Chemist
Environmental Science Center
Analytical Services Branch
(410) 305-2000

1 email per day

What is GL for acry? S

Dimock GW Site

1/20/2012

Analytical Area	Primary Chemist	Assistance	Peer-review	Alt Peer Review	Alt Peer Review
Anions	Ron	John	Norman	John	Joe
Glycols*	Jennie**	Stevie Sue W	Sue W	Sue W	
Metals*	Joe/Robin**	Joe/Robin	Joe/Robin	Joe S	
SVOCs*	Eric**	Kevin P/Stevie	Kevin P	Stevie	Hoang
TDS/TSS	John	ESAT?	Sue G		
VOAs	Sue	Peggy	Peggy	Hoang	
Total Phosphorus					
Nitrate/Nitrite	John	ESAT?			
Total Nitrogen	John	ESAT?			
O&G	Ron	John			
Alcohols	Adam**	John			
*expideted TATs	**possible comptime needed				
Tasks	Primary	Backup			
Prelim Data Review	Peer-Reviewer	Joe S			
Prelim Data Submission	Cindy?	KevinM?			
Communications internal	Stevie**	Mike M			
Communications external (Regional Labs)	Stevie/Cindy	Mike M			
Communications to NAREL	Fred				
Final Report Consolidation	Robin	Anching			
Final Report Review	Cindy			Sue	
Sample Receipt/Login	Kevin	John/ESAT	John	Robin	
Formal Communications/external EPA	Bonnie				

15 days prelim
21 final

DIM0195763

DIM0195789

Dimock Analytical Notes

1/20/2012

DRAFT

DRAFT

DRAFT

DRAFT

DRAFT

DRAFT

Expedited Preliminary Data Needs (Section 10.0 of Sampling QA/QC Work Plan)

Parameter	Lab	TAT	Method	Sample Prep Time	Analysis/Review Time
bis(2-ethylhexyl)phthalate (DEHP)	R3	< 5 days	OLC03.2 modified	2 days	1 day
2-methoxyethanol	R3	< 5 days	8015B 8321	2 days	1 day
2,2-oxybisethanol (diethylene glycol)	R3	< 3 days	8321 modified	None	1 day
triethylene glycol	R3	< 3 days	8321 modified	None	1 day
aluminum	R3	< 3 days	200.7/200.8	1 day	1 day
arsenic	R3	< 3 days	200.7/200.8	1 day	1 day
lithium	R3	< 3 days	200.7/200.8	1 day	1 day
manganese	R3	< 3 days	200.7/200.8	1 day	1 day
sodium	R3	< 3 days	200.7/200.8	1 day	1 day
iron	R3	< 3 days	200.7/200.8	1 day	1 day
methane	R9	< 5 days	RSK-175		
Coliform bacteria	Tier IV		SM922B/SM 9215B		
ethylene glycol	Tier IV		8015M		



Dimock Residential GW Site - OSC Page

Cynthia Caporale to: R3 ESC-LB

01/19/2012 04:23 PM

Cynthia Metzger, John Krakowiak, John Bourbon, Brenda
Cc: Bettencourt, Richard Bauer, Ernest Waterman, David Neleigh,
Dennis Wesolowski, Chris Zawlocki, Barry Pepich, Gary Bennett,

From: Cynthia Caporale/ESC/R3/USEPA/US
To: R3 ESC-LB
Cc: Cynthia Metzger/ESC/R3/USEPA/US@EPA, John Krakowiak/R3/USEPA/US@EPA, John
Bourbon/R2/USEPA/US@EPA, Brenda Bettencourt/R9/USEPA/US@EPA, Richard
Bauer/R9/USEPA/US@EPA, Ernest Waterman/R1/USEPA/US@EPA, David

All,

Dimock Documents just posted on OSC Webiste - includes Action memo. Sampling probably starting at
2 homes on Monday afternoon and then 2 homes on Tuesday (8 samples + QC).

http://www.epaosc.org/site/site_profile.aspx?site_id=7555

Cindy

Cynthia Caporale, Chief
OASQA Laboratory Branch
U.S. EPA Region III
Environmental Science Center
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(410) 305-2732
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